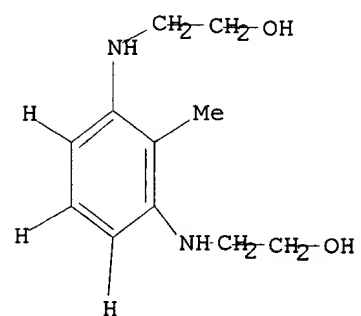


=> d 11

L1 HAS NO ANSWERS

L1 STR



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(FILE 'HOME' ENTERED AT 12:26:53 ON 14 JUL 2000)

FILE 'REGISTRY' ENTERED AT 12:26:58 ON 14 JUL 2000

L1 STRUCTURE UPLOADED

L2 1 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 12:27:59 ON 14 JUL 2000

L3 8 SEA L2

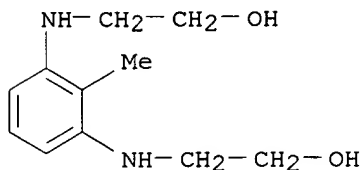
D IBIB 1-4

D IBIB ABS HITSTR 5-8

1st 4 answers are L'Oreal cases

L3 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 2000:259964 CAPLUS
 DOCUMENT NUMBER: 132:283911
 TITLE: Coloring agents with enzymes
 INVENTOR(S): Saettler, Andrea; Kleen, Astrid; Weiss, Albrecht;
 Rose, David
 PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Germany
 SOURCE: PCT Int. Appl., 47 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000021497	A1	20000420	WO 1999-EP7368	19991005
W: AU, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19847276	A1	20000420	DE 1998-19847276	19981014
PRIORITY APPLN. INFO.:			DE 1998-19847276 19981014	
OTHER SOURCE(S):			MARPAT 132:283911	
AB Coloring agents for coloring fibers contg. keratin contain .gtoreq.1 dye intermediate, a choline-based oxidase system, and .gtoreq.1 peroxidase, and are characterized by a good coloring action and gentleness on hair. Preferred dye intermediates include 5,6-dihydroxyindole and 5,6-dihydroxyindoline. Thus, a melt of cetearyl alc. 8.50, C12-18 fatty alcs. 2.00, and ceteareth-20 0.75 g was emulsified with a soln. of 27.5% Na laureth sulfate 20.00, 30% cocamidopropylbetaine 12.50, and H2O 30.00				
g at 80.degree.. This cream base was mixed with 10 mL of an aq. soln. of 0.27 g 4-aminophenol (pH 7.0) and 10 mL of an aq. soln. of 0.31 g 5-amino-2-methylphenol (pH 7.0) and cooled to 30.degree.. Choline chloride (2.5 mL, 3.36 g/20 mL) was incubated with 2.5 mL aq. Alcaligenes choline oxidase soln. (33.2 U/mL) at pH 7 and 37.degree. for 30 min, and				
4 mL of the incubation mixt. was mixed with 8 g of the coloring cream and 4 mL soybean peroxidase soln. (0.4 IU/mL). The mixt. was applied to				
graying hair for 10 min, followed by exposure to the air for 35 min, rinsing, and drying to produce an orange-gray color.				
IT 149330-25-6				
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
(coloring agents with enzymes)				
RN 149330-25-6 CAPLUS				
CN Ethanol, 2,2'-[(2-methyl-1,3-phenylene)diimino]bis- (9CI) (CA INDEX NAME)				



REFERENCE COUNT:
REFERENCE(S):

3

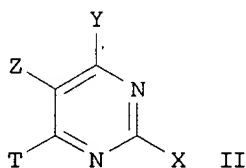
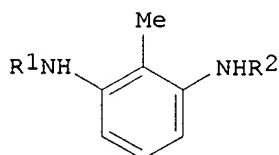
- (1) Henkel Kgaa; DE 19545726 A 1997
- (2) Henkel Kgaa; DE 197138 A 1998
- (3) Oreal; FR 2768618 A 1999

L3 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1998:196290 CAPLUS
DOCUMENT NUMBER: 128:234980
TITLE: Oxidative hair dyes
INVENTOR(S): Meinigke, Bernd; Rose, David; Akram, Mustafa
PATENT ASSIGNEE(S): Henkel K.-G.a.A., Germany
SOURCE: Ger. Offen., 10 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19637371	A1	19980319	DE 1996-19637371	19960913
EP 832640	A2	19980401	EP 1997-115328	19970904
EP 832640	A3	19991006		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

PRIORITY APPLN. INFO.: DE 1996-19637371 19960913
OTHER SOURCE(S): MARPAT 128:234980
GI



AB Oxidative hair dyes which produce brilliant colors, esp. in the red region, and show excellent fastness and uniformity of dyeing contain m-phenylenediamine derivs. I (R1, R2 = H, C2-4 mono- or dihydroxyalkyl, allyl; R1, R2 are not both H) as couplers and pyrimidine derivs. II [X = OH, (substituted) amino; T, Y, Z = OH, NH2; .ltoreq.2 of T, X, Y, Z = OH] or 1-(2'-hydroxyethyl)-2,5-diaminobenzene as developers. Thus, a hair-dyeing compn. contg. cream base 50.0, Na2SO3 1.0, (NH4)2SO4 1.0 g, 2,6-bis(2-hydroxyethylamino)toluene 7.5 mmol, 2-morpholino-4,5,6-triaminopyrimidine 7.5 mol, concd. NH3 soln. to pH 10, and water to 100

g,

when combined with 50 g 3% H2O2 soln. and applied to gray hair for 30 min at 32.degree., produced a madder-red coloration.

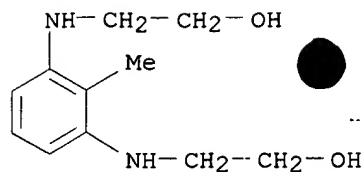
IT 149330-25-6

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(oxidative hair dyes)

RN 149330-25-6 CAPLUS

CN Ethanol, 2,2'-[(2-methyl-1,3-phenylene)diimino]bis- (9CI) (CA INDEX NAME)



L3 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1996:701498 CAPLUS

DOCUMENT NUMBER: 125:338693

TITLE: Substituted and unsubstituted (diaminophenoxyethyl)-1,3-dioxolanes as oxidative dyes for hair

preparations

INVENTOR(S): Bittner, Andreas

PATENT ASSIGNEE(S): Hans Schwarzkopf GmbH, Germany

SOURCE: Ger., 12 pp.

CODEN: GWXXAW

DOCUMENT TYPE: Patent

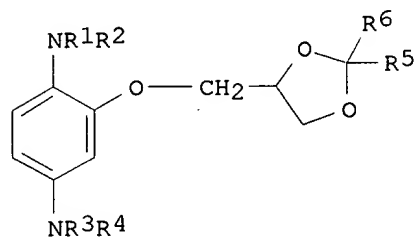
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19534214	C1	19961017	DE 1995-19534214	19950915

OTHER SOURCE(S): MARPAT 125:338693
GI



I

AB The prepn. and use of substituted and unsubstituted 4-(2,5-diaminophenoxyethyl)-1,3-dioxolanes, as well as their salts, esp. as oxidative dyes for hair preps., are of general formula I (R1,R2,R3, and R4 are H, formyl, acetyl, C1-4-alkyl, C2-3-hydroxyalkyl, C2-3-alkoxy, C2-3-aminoalkyl, and 2,3-dihydroxypropyl; and R5,R6 = H or C1-4-alkyl). The compds. can be prepd. by either: (1) coupling of the corresponding 4-substituted amino-2-halonitrobenzenes with 2,2-disubstituted-4-hydroxymethyl-1,3-dioxolanes, followed by redn. to the benzeneamine, and N-alkylation or N-oxyalkylation to I, or (2) reaction of II (R1-2 = H, R3-6 are as defined above) with ClCH2CH2OC(:O)Cl or ClCH2CH2CH2OC(:O)Cl

to yield the corresponding N-acylated chloroformate, followed by reaction with base to yield I (R2 = H, R1 = HOCH2CH2 or HOCH2CH2CH2; R3-6 are as defined above). The compns. can be used in hair creams, hair gels or mousses, or in solns., in conjunction with added copper-based catalysts.

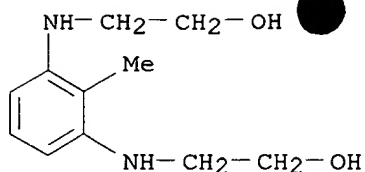
IT 149330-25-6

RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)

(hair preps. contg.; substituted and unsubstituted (diaminophenoxyethyl)-1,3-dioxolanes as oxidative dyes for hair preps.)

RN 149330-25-6 CAPLUS

CN Ethanol, 2,2'-[(2-methyl-1,3-phenylene)diimino]bis- (9CI) (CA INDEX NAME)



L3 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1993:502980 CAPLUS
 DOCUMENT NUMBER: 119:102980
 TITLE: Oxidative hair dye preparations containing substituted 2,6-diaminotoluenes
 INVENTOR(S): Akram, Mustafa; Seidel, Winfried; Schlenther, Wolfgang
 PATENT ASSIGNEE(S): Schwarzkopf, Hans, G.m.b.H., Germany
 SOURCE: Brit. UK Pat. Appl., 27 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2260135	A1	19930407	GB 1992-20658	19920930
GB 2260135	B2	19950823		
DE 4132615	A1	19930415	DE 1991-4132615	19911001
DE 4132615	C2	19940818		
US 5230710	A	19930727	US 1992-953053	19920930
JP 06206850	A2	19940726	JP 1992-261256	19920930
FR 2681860	A1	19930402	FR 1992-11693	19921001
FR 2681860	B1	19950324		
CH 684593	A	19941031	CH 1992-3073	19921001
			DE 1991-4132615	19911001

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 119:102980

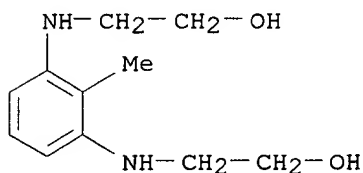
AB Substituted 2,6-diaminotoluenes are prepd. and used in oxidative hair dye preps. A hair dye cream contg. 1% 2,6-bis(.beta.-hydroxyethylamino)toluene was mixed with 6% H2O2 50g and applied on hair for 30 min to obtain an intensive aubergine shade.

IT **149330-25-6P**

RL: PREP (Preparation)
 (prepn. of, oxidative hair dye prepn. contg.)

RN 149330-25-6 CAPLUS

CN Ethanol, 2,2'-[(2-methyl-1,3-phenylene)diimino]bis- (9CI) (CA INDEX NAME)



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IBM Technical Disclosure Bulletins

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<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	(l28 or l29 or l30) and l24	35	L31
USPT	l6 adj5 l7	18	L30
USPT	l6 adj4 (l9 or l10)	59	L29
USPT	l2 adj5 l27	173	L28
USPT	l4 adj5 (l15 or l16)	2053	L27
USPT	l25	72	L26
USPT	l24 and l23	72	L25
USPT	((8/405 8/406 8/407 8/408 8/409 8/410 8/411 8/412 8/414 8/415 8/416 8/421 8/423 8/424 8/425 8/426 8/428 8/429 8/431 8/432 8/433 8/435)!.CCLS.)	1164	L24
USPT	l8 or l11 or l12 or l14 or l18 or l22	55429	L23
USPT	l4 adj5 l21	7	L22
USPT	l2 adj5 (l19 or l20)	223	L21
USPT	amino adj5 aniline	1448	L20
USPT	aminoaniline	1833	L19
USPT	l2 adj5 l17	8	L18
USPT	l5 adj5 (l15 or l16)	316	L17
USPT	((diamino or metadiamino) adj benzene) or ((phenylene or metaphenylene) adj diamine)	7254	L16
USPT	diaminobenzene or metadiaminobenzene or phenylenediamine or metaphenylenediamine	20187	L15
USPT	l4 near4 l13	10	L14
USPT	l1 adj4 l5	73	L13
USPT	l1 adj4 (l9 or l10)	71	L12
USPT	l5 adj4 (l9 or l10)	54680	L11
USPT	methylbenzene	3013	L10
USPT	toluene	163376	L9
USPT	l4 near5 l7	1176	L8
USPT	l4 adj5 l5	7218	L7
USPT	(l1 or l2) adj5 l3	3224	L6
USPT	benzene	154062	L5
USPT	methyl	307912	L4
USPT	amino or diamino	185296	L3
USPT	hydroxyethyl or bishydroxyethyl or betahydroxyethyl	66533	L2
USPT	hydroxyethylamino or bishydroxyethylamino or betahydroxyethylamino	2947	L1

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
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USPT	l24 and l23	72	<u>L25</u>
USPT	((8/405 8/406 8/407 8/408 8/409 8/410 8/411 8/412 8/414 8/415 8/416 8/421 8/423 8/424 8/425 8/426 8/428 8/429 8/431 8/432 8/433 8/435)!.CCLS.)	1164	<u>L24</u>
USPT	l8 or l11 or l12 or l14 or l18 or l22	55429	<u>L23</u>
USPT	l4 adj5 l21	7	<u>L22</u>
USPT	l2 adj5 (l19 or l20)	223	<u>L21</u>
USPT	amino adj5 aniline	1448	<u>L20</u>
USPT	aminoaniline	1833	<u>L19</u>
USPT	l2 adj5 l17	8	<u>L18</u>
USPT	l8 adj5 (l15 or l16) }*	316	<u>L17</u>
USPT	((diamino or metadiamino) adj benzene) or ((phenylene or metaphenylene) adj diamine)	7254	<u>L16</u>
USPT	diaminobenzene or metadiaminobenzene or phenylenediamine or metaphenylenediamine	20187	<u>L15</u>
USPT	l4 near4 l13	10	<u>L14</u>
USPT	l1 adj4 l5	73	<u>L13</u>
USPT	l1 adj4 (l9 or l10)	71	<u>L12</u>
USPT	L6 l8 adj4 (l9 or l10)*	54680	<u>L11</u>
USPT	methylbenzene	3013	<u>L10</u>
USPT	toluene	163376	<u>L9</u>
USPT	l4 near5 l7 L6 adj5 L7 *	1176	<u>L8</u>
USPT	l4 adj5 l5 methyl benzene	7218	<u>L7</u>
USPT	(l1 or l2) adj5 l3 if adj amino	3224	<u>L6</u>
USPT	benzene	154062	<u>L5</u>
USPT	methyl	307912	<u>L4</u>
USPT	amino or diamino	185296	<u>L3</u>
USPT	hydroxyethyl or bishydroxyethyl or betahydroxyethyl	66533	<u>L2</u>
USPT	hydroxyethylamino or bishydroxyethylamino or betahydroxyethylamino	2947	<u>L1</u>

WEST

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L26: Entry 1 of 72

File: USPT

Jun 13, 2000

US-PAT-NO: 6074438

DOCUMENT-IDENTIFIER: US 6074438 A

TITLE: Hair dyeing compositions containing 2-chloro- and
2,6-dichloro-4-aminophenol and phenylpyrazolones

DATE-ISSUED: June 13, 2000

US-CL-CURRENT: 8/409; 8/408, 8/421, 8/423

APPL-NO: 9/ 033632

DATE FILED: March 3, 1998

WEST

Generate Collection

L26: Entry 5 of 72

File: USPT

Feb 15, 2000

US-PAT-NO: 6024768

DOCUMENT-IDENTIFIER: US 6024768 A

TITLE: Diaminoalkane and oxidation colorants

DATE-ISSUED: February 15, 2000

US-CL-CURRENT: 8/410; 564/367, 564/428, 8/407, 8/408, 8/416, 8/649

APPL-NO: 9/ 214218

DATE FILED: December 30, 1998

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
DE	196 26 740	July 3, 1996
DE	196 26 743	July 3, 1996

PCT-DATA:

APPL-NO	DATE-FILED	PUB-NO	PUB-DATE	371-DATE	102(E)-DATE
PCT/EP97/03466	Jul 2, 1997	WO98/01418	Jan 15, 1998	Apr 6, 1999	Apr 6, 1999

WEST

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L26: Entry 9 of 72

File: USPT

Nov 30, 1999

US-PAT-NO: 5993491

DOCUMENT-IDENTIFIER: US 5993491 A

TITLE: Oxidative hair dye compositions and methods containing
1-(4-aminophenyl)-2-pyrrolidinemethanols

DATE-ISSUED: November 30, 1999

US-CL-CURRENT: 8/409; 8/408, 8/423, 8/574

APPL-NO: 9/ 078264

DATE FILED: May 13, 1998

WEST

Generate Collection

L26: Entry 10 of 72

File: USPT

Nov 9, 1999

US-PAT-NO: 5980584

DOCUMENT-IDENTIFIER: US 5980584 A

TITLE: Substituted p-aminophenol, process of preparation and use in dyeing hair

DATE-ISSUED: November 9, 1999

US-CL-CURRENT: 8/408; 564/418, 564/420, 564/423, 564/443, 8/421

APPL-NO: 9/ 185023

DATE FILED: November 3, 1998

WEST

Generate Collection

L26: Entry 13 of 72

File: USPT

Feb 2, 1999

US-PAT-NO: 5865854

DOCUMENT-IDENTIFIER: US 5865854 A

TITLE: BIS-(2-4-diaminophenoxy) benzenes and their use as coupling components in oxidative hair coloring compositions and methods

DATE-ISSUED: February 2, 1999

US-CL-CURRENT: 8/408; 564/430, 8/406, 8/411, 8/416, 8/649

APPL-NO: 8/ 975912

DATE FILED: November 21, 1997

WEST

Generate Collection

L26: Entry 14 of 72

File: USPT

Dec 22, 1998

US-PAT-NO: 5851237

DOCUMENT-IDENTIFIER: US 5851237 A

TITLE: Oxidative hair dye compositions and methods containing 1--(4-aminophenyl)
pyrrolidines

DATE-ISSUED: December 22, 1998

US-CL-CURRENT: 8/409; 8/408, 8/410, 8/411, 8/412, 8/423, 8/574

APPL-NO: 8/ 892339

DATE FILED: July 14, 1997

WEST

Generate Collection

L26: Entry 19 of 72

File: USPT

Jul 27, 1993

US-PAT-NO: 5230710

DOCUMENT-IDENTIFIER: US 5230710 A

TITLE: Substituted 2,6-diaminotoluenes, processes for their preparation and coloring agents for keratinic fibers comprising these compounds

DATE-ISSUED: July 27, 1993

US-CL-CURRENT: 8/408; 564/442, 8/406, 8/407, 8/409, 8/410, 8/411, 8/412, 8/423, 8/435

APPL-NO: 7/ 953053

DATE FILED: September 30, 1992

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
DE	4132615	October 1, 1991